

VU Research Portal

Diaphragm muscle fiber weakness in mechanically ventilated patients

Hooijman, P.E.

2015

document version

Publisher's PDF, also known as Version of record

[Link to publication in VU Research Portal](#)

citation for published version (APA)

Hooijman, P. E. (2015). *Diaphragm muscle fiber weakness in mechanically ventilated patients*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

E-mail address:

vuresearchportal.ub@vu.nl

LIST OF PUBLICATIONS

Hooijman PE, Beishuizen A, Witt CC, de Waard MC, Girbes AR, Spoelstra-de Man AM, Niessen HW, Manders E, van Hees HW, van den Brom CE, Silderhuis V, Lawlor MW, Labeit S, Stienen GJ, Hartemink KJ, Paul MA, Heunks LM, Ottenheijm CA. *Diaphragm muscle fiber weakness and ubiquitin-proteasome activation in critically ill patients*. Am J Respir Crit Care Med. 2015 May 15;191(10):1126-38.

Hooijman PE, Paul MA, Stienen GJ, Beishuizen A, Van Hees HW, Singhal S, Bashir M, Budak MT, Morgen J, Barsotti RJ, Levine S, Ottenheijm CA. *Unaffected contractility of diaphragm muscle fibers in humans on mechanical ventilation*. Am J Physiol Lung Cell Mol Physiol. 2014 Sep 15;307(6):L460-70.

Hooijman PE, Beishuizen A, de Waard MC, de Man FS, Vermeijden JW, Steenvoorde P, Bouwman RA, Lommen W, van Hees HW, Heunks LM, Dickhoff C, van der Peet DL, Girbes AR, Jasper JR, Malik FI, Stienen GJ, Hartemink KJ, Paul MA, Ottenheijm CA. *Diaphragm fiber strength is reduced in critically ill patients and restored by a troponin activator*. Am J Respir Crit Care Med. 2014 Apr 1;189(7):863-5.

Hooijman PE, Ottenheijm CA. *Passive stretch of the diaphragm following unilateral phrenic nerve stimulation*. Eur Respir J. 2014 May;43(5):1533-4.

Hooijman PE, Ottenheijm CA. *Mitochondrial respiration and passive stretch of the diaphragm during unilateral phrenic nerve stimulation*. Crit Care Med. 2014 Sep;42(9):e633-4.

Hooijman P, Stewart MA, Cooke R. *A new state of cardiac myosin with very slow ATP turnover: a potential cardioprotective mechanism in the heart*. Biophys J. 2011 Apr 20;100(8):1969-76.

Ottenheijm CA, Hooijman P, DeChene ET, Stienen GJ, Beggs AH, Granzier H. *Altered myofilament function depresses force generation in patients with nebulin-based nemaline myopathy (NEM2)*. J Struct Biol. 2010 May;170(2):334-43.

van Mameren J, Gross P, Farge G, Hooijman P, Modesti M, Falkenberg M, Wuite GJ, Peterman EJ. *Unraveling the structure of DNA during overstretching by using multicolor, single-molecule fluorescence imaging*. Proc Natl Acad Sci U S A. 2009 Oct 27;106(43):18231-6.